



Appl. No.: 10/516,788
Title: Method and Apparatus for Detecting...
Inventors: Jonathan Plimpton, et al.
Replacement Sheet

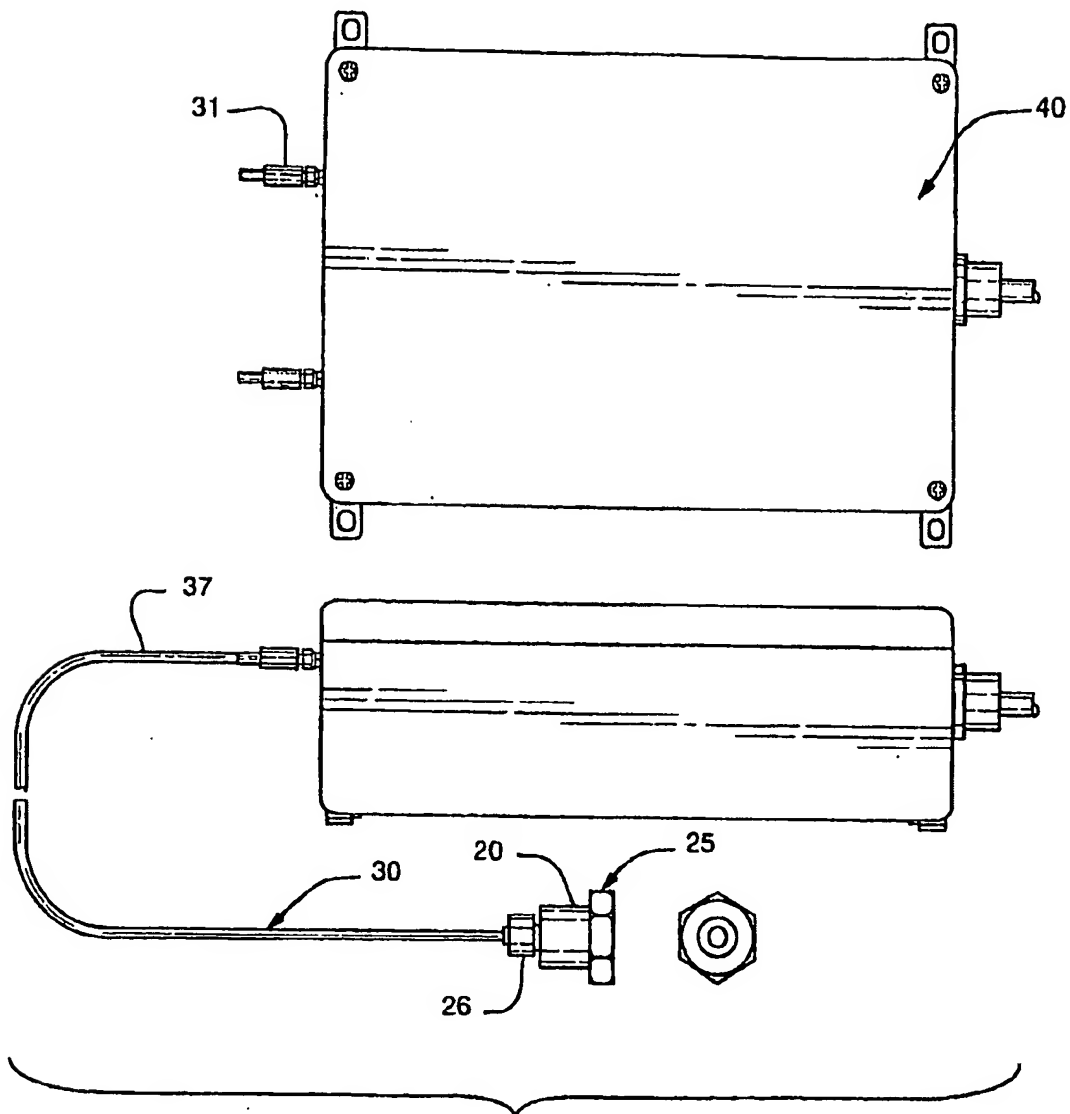


FIG. 1

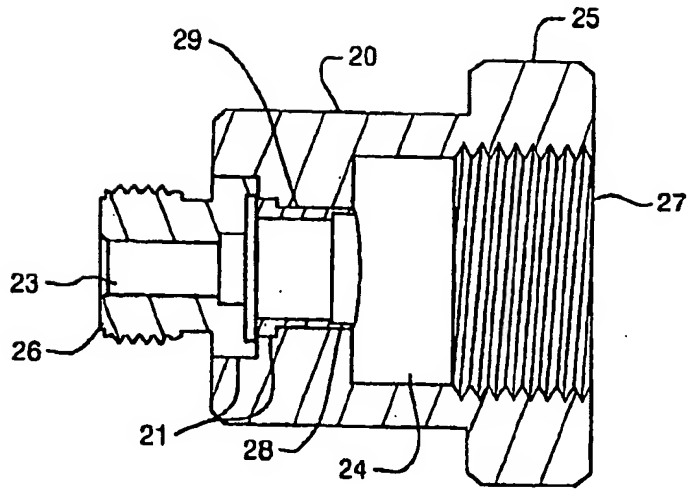


FIG. 2

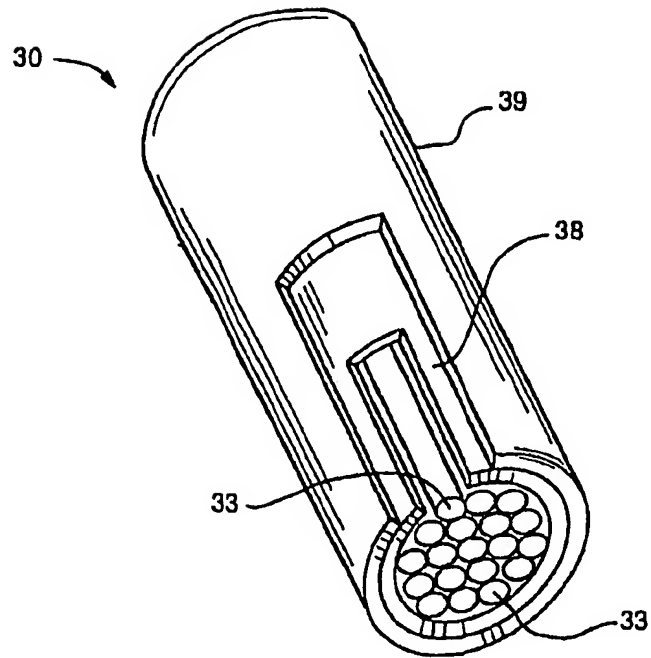


FIG. 3

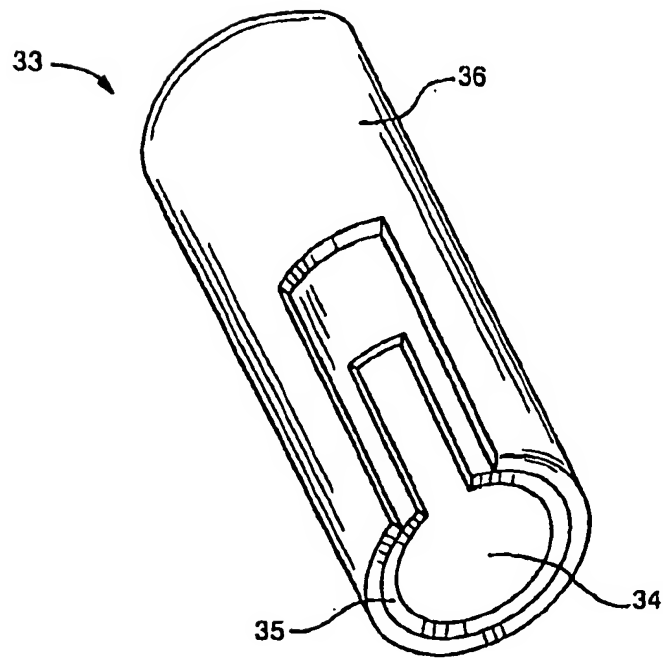


FIG. 4

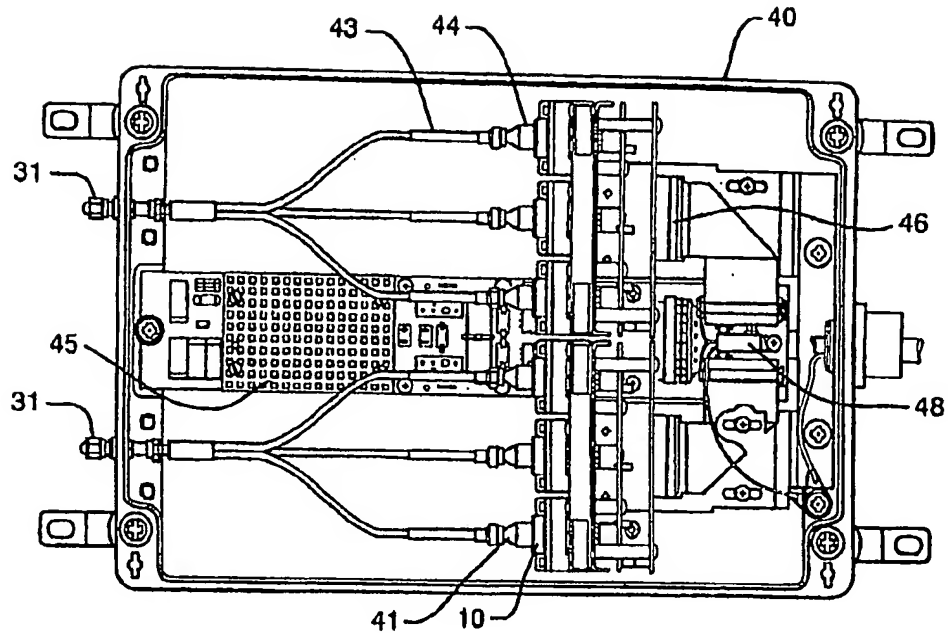


FIG. 5

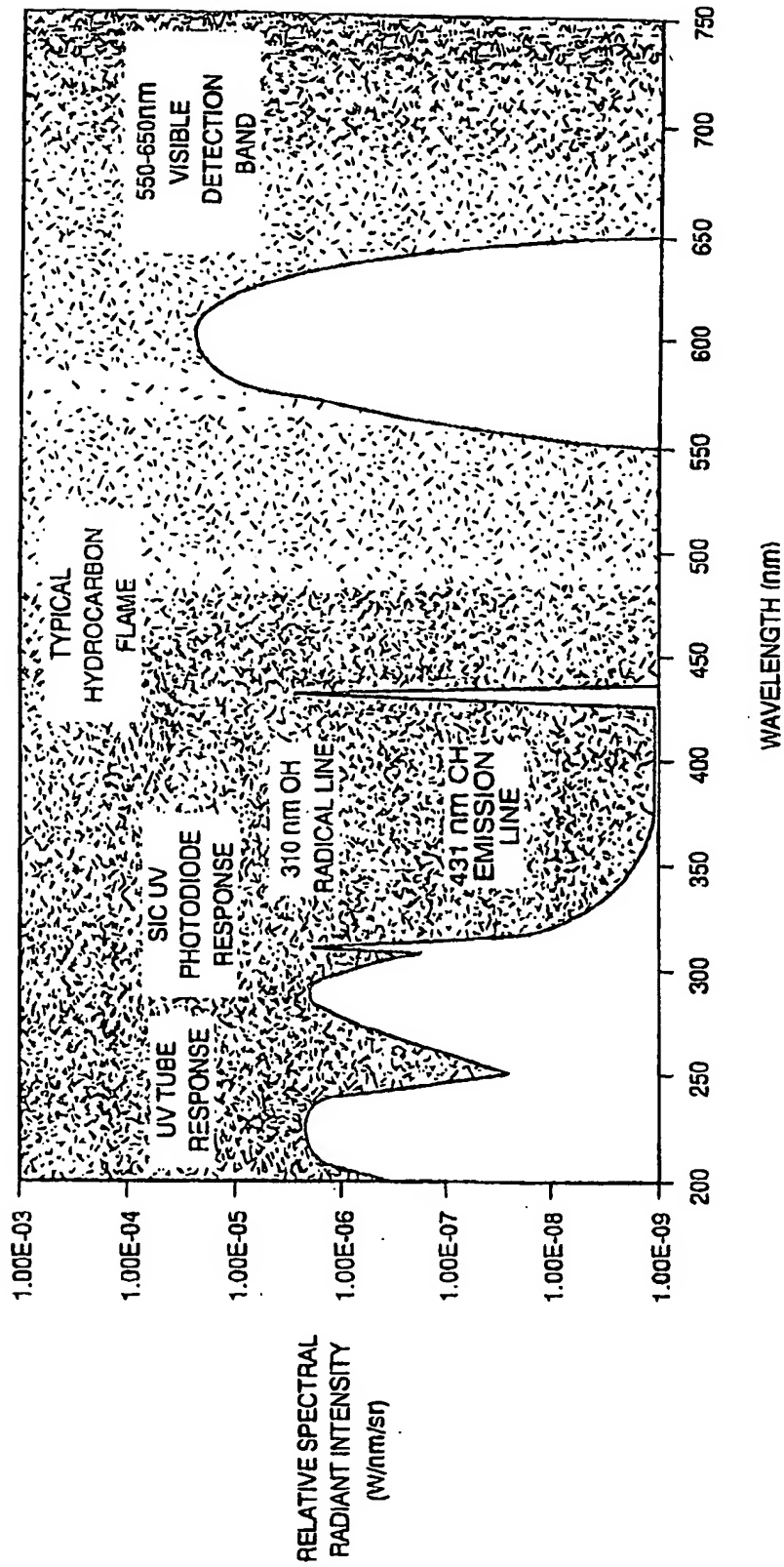


FIG. 6

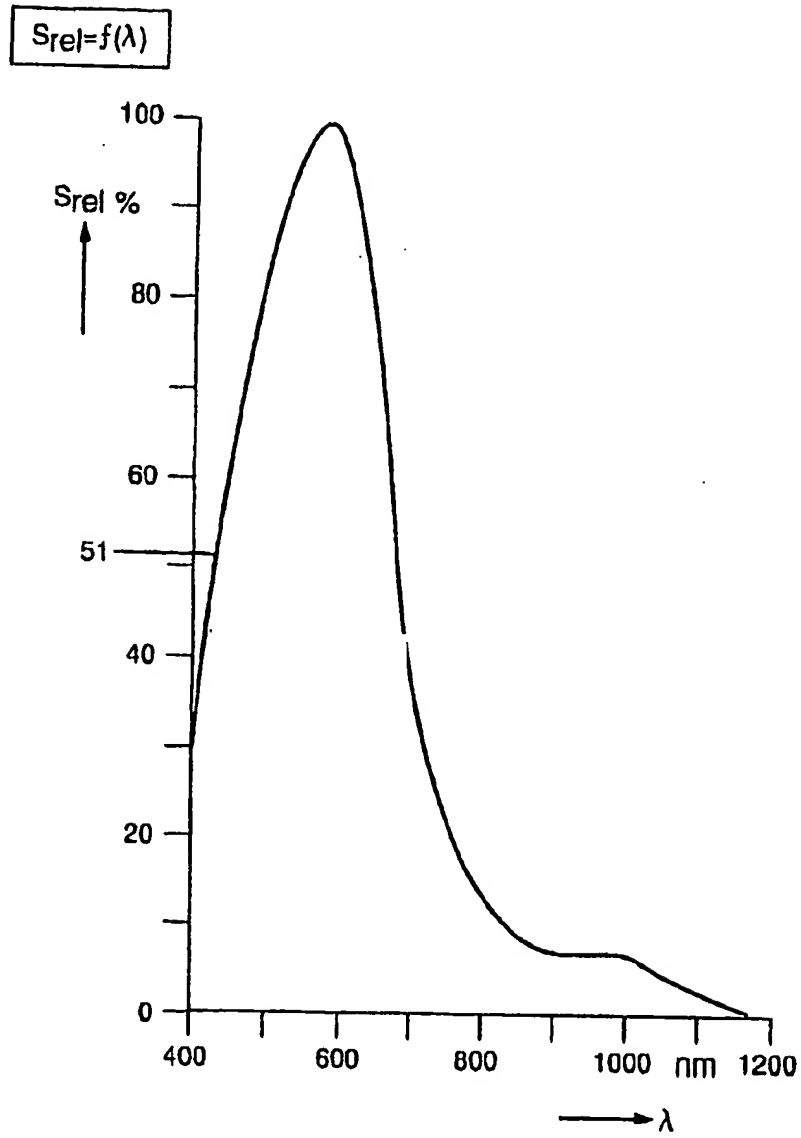


FIG. 7

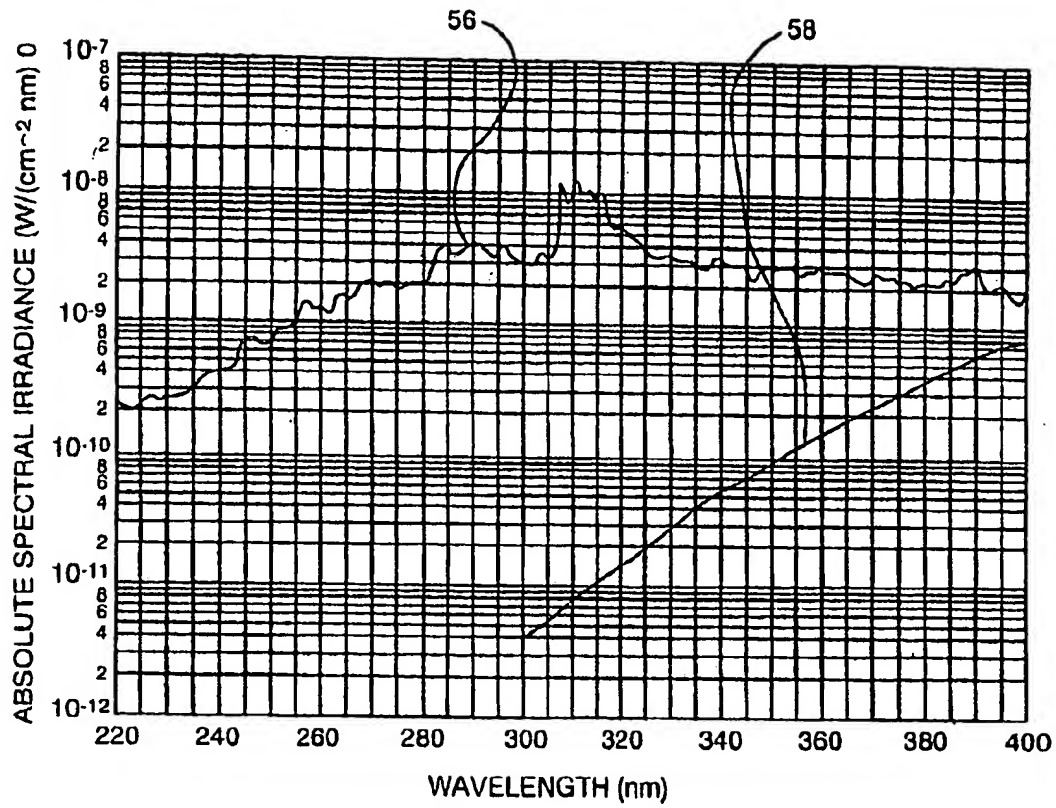


FIG. 8

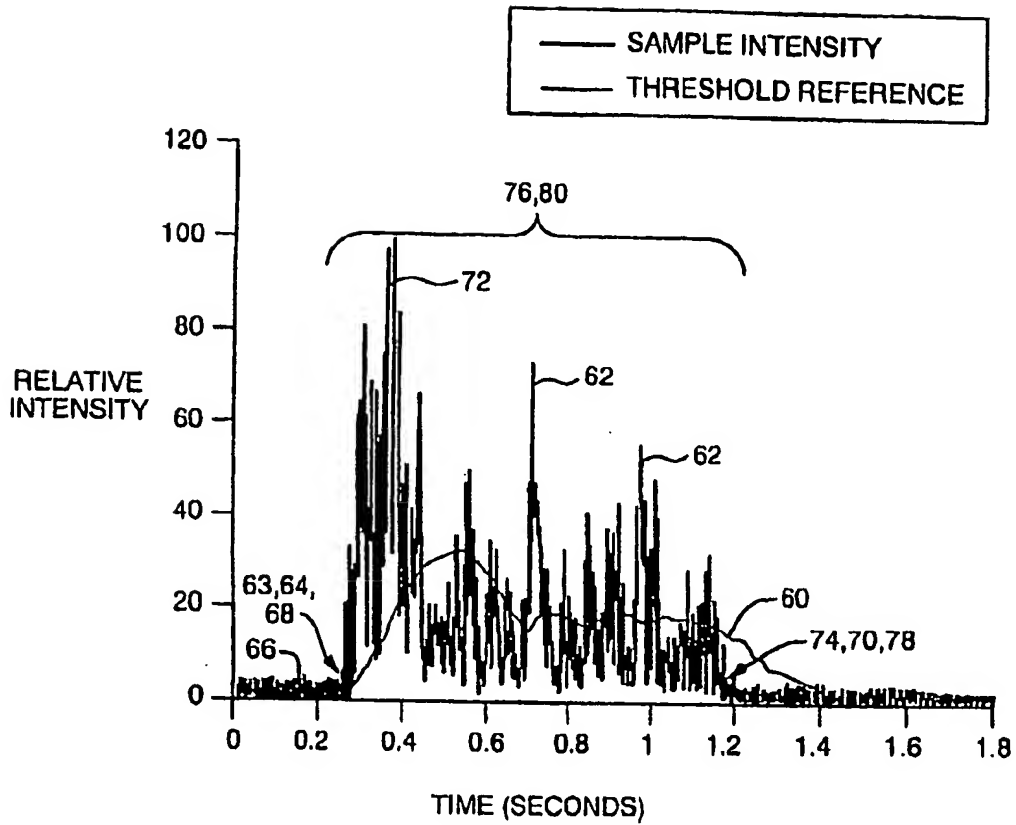


FIG. 9

NOZZLE	FLOW RATE LB/HR	SPRAY ANGLE (DEG.)	REMARKS	CONDITION
IDEAL	28-31	78-88		CLEAN
A	31	77		PARTIAL
B	31	81		CLEAN
C	31	77	GOOD FLOW	PARTIAL
D	-	-	BAD THREADS	UNKNOWN
E	31	87	GOOD	CLEAN
F	0	0	PILOT CLOGGED	FULL

FIG. 10

TEST RUN	NOZZLE CONDITION (DEGREE OF CLOGGING)						COMBINED SEVERITY	FLAME OBSERVATION
	NOZZLE 1	NOZZLE 2	NOZZLE 3	NOZZLE 4	NOZZLE 5	NOZZLE 6		
2	CLEAN	CLEAN	CLEAN	CLEAN	CLEAN	CLEAN	1	NONE
3	CLEAN	CLEAN	CLEAN	CLEAN	CLEAN	CLEAN	1	NONE
4	CLEAN	CLEAN	PARTIAL	CLEAN	CLEAN	PARTIAL	2	SMALL
5	CLEAN	CLEAN	PARTIAL	CLEAN	CLEAN	PARTIAL	2	NONE
6	CLEAN	UNKNOWN	PARTIAL	CLEAN	PARTIAL	PARTIAL	3	NONE
7	CLEAN	UNKNOWN	PARTIAL	CLEAN	PARTIAL	PARTIAL	3	NONE
8	CLEAN	UNKNOWN	CLEAN	CLEAN	PARTIAL	PARTIAL	2	SMALL
9	CLEAN	UNKNOWN	CLEAN	CLEAN	PARTIAL	PARTIAL	2	SMALL
10	CLEAN	UNKNOWN	CLEAN	CLEAN	PARTIAL	FULL	4	LARGE
11	CLEAN	UNKNOWN	CLEAN	CLEAN	PARTIAL	FULL	4	SMALL
12	CLEAN	UNKNOWN	CLEAN	CLEAN	PARTIAL	FULL	4	LARGE
13	CLEAN	UNKNOWN	CLEAN	CLEAN	PARTIAL	FULL	4	MEDIUM
14	CLEAN	UNKNOWN	CLEAN	CLEAN	PARTIAL	PARTIAL	2	MEDIUM
15	CLEAN	UNKNOWN	PARTIAL	CLEAN	PARTIAL	PARTIAL	3	MEDIUM
16	CLEAN	CLEAN	PARTIAL	CLEAN	CLEAN	PARTIAL	2	NONE
17	CLEAN	CLEAN	CLEAN	CLEAN	CLEAN	CLEAN	1	NONE

FIG. 11

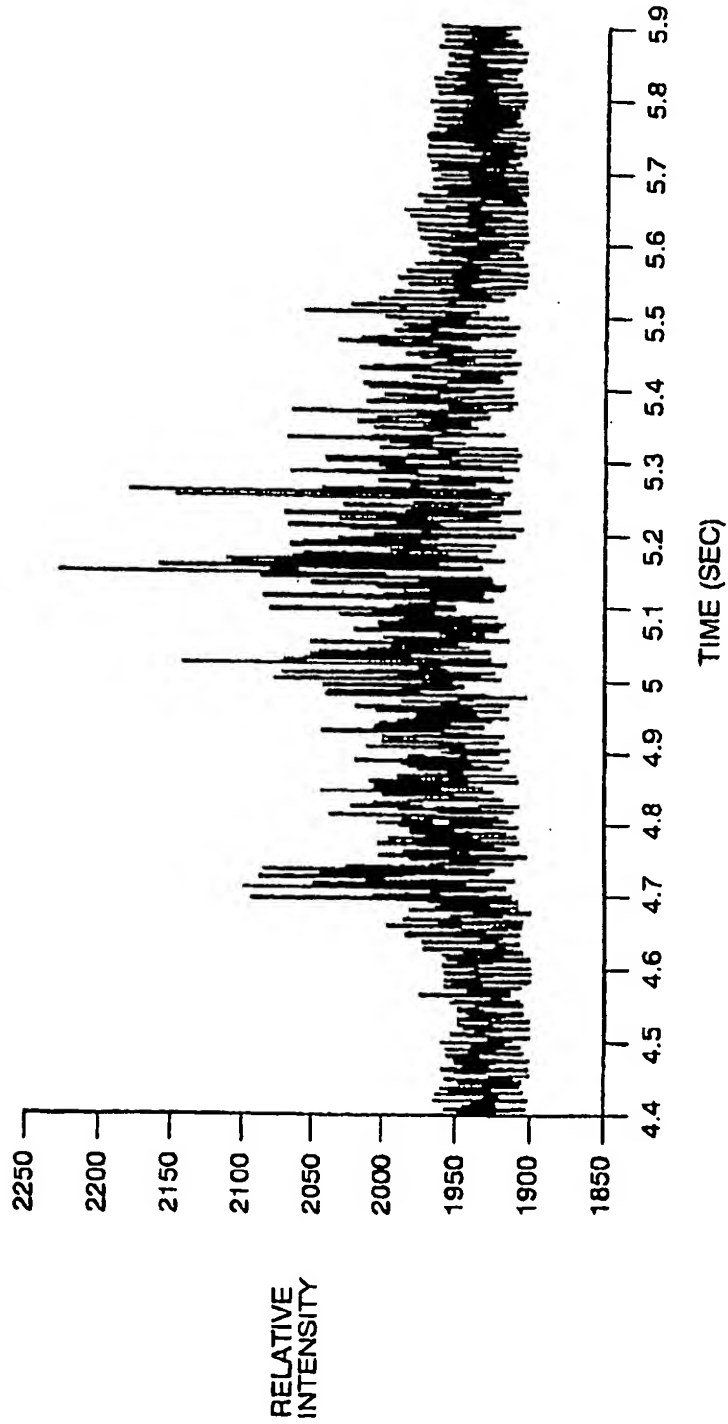


FIG. 12

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